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EXAMINER
CHAWAN, VIJAY B

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

	Application No.	Applicant(s)
Office Action Summary	10/748,404	HUANG ET AL.
	Examiner	Art Unit	
	Vijay B. Chawan	2626	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____.
2a) ☐ This action is **FINAL.** 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-40* is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) *1-40* is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All b) ☐ Some * c) ☐ None of:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____.
      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2.   Claims 1-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Baker

et al., (6,405,172).

As per claim 1, Baker et al., teach a method of entering text into a device

comprising: a) providing a first character input that is indicative of a first character of a

text entry word; b) capturing a vocalization of the text entry word; c) identifying a

probable word candidate for the vocalization based upon the first character input and an

analysis of the vocalization; and d) displaying the probable word candidate (Col.2, lines

10-24, 44- 64).

As per claim 2, Baker et al., teach the method of claim 1, wherein the capturing

step b) begins in response to the providing step a) (Col.2, lines 10-24, 44- 64).

As per claim 3, Baker et al., teach the method of claim 1, wherein the capturing

step b) begins prior to the providing step a) (Col.2, lines 10-24, 44- 64).

As per claim 4, Baker et al., teach the method of claim 1, wherein the capturing

step b) ends after a predetermined period of time (Col.2, lines 10-24, 44- 64).

As per claim 5, Baker et al., teach the method of claim 1, wherein the capturing

step b) ends after an end to the vocalization is detected (Col.2, lines 10-24, 44- 64).

As per claim 6, Baker et al., teach the method of claim 1, wherein the providing

step a) includes pressing a key corresponding to multiple characters (Col.6, lines 23 –

34).

As per claim 7, Baker et al., teach the method of claim 1, wherein: the providing

step a) includes pressing and holding a key; and the capturing step b) begins in

response to the providing step a) (Col.2, lines 10-24, 44- 64).

As per claim 8, Baker et al., teach the method of claim 7, wherein the capturing

step b) ends after a predetermined period of time (Col.2, lines 10-24, 44- 64).

As per claim 9, Baker et al., teach the method of claim 7, wherein the capturing

step ends when the key is released (Col.2, lines 10-24, 44- 64).

As per claim 10, Baker et al., teach the method of claim 1, wherein the identifying

step c) includes: producing a list of probable word candidates based upon an analysis of

the vocalization; and identifying the probable word candidate from the list of probable

word candidates for the vocalization based on the first character input (Col.2, lines 10-

24, 44- 64).

As per claim 11, Baker et al., teach the method of claim 10 including: rejecting

the probable word candidate in response to an input by a user; and displaying an

alternative probable word candidate from the list of probable word candidates (Col.2, lines 10-24, 44- 64).

As per claim 12, Baker et al., teach the method of claim 1, wherein the identifying step c) includes: narrowing a list of vocalized word candidates using the first character input to form a narrowed list of vocalized word candidates; narrowing the narrowed list of vocalized word candidates to a list of probable word candidates for the vocalization based upon an analysis of the vocalization; and identifying the probable word candidate from the list of probable word candidates (abstract, Col.2, lines 10-24, 44- 64).

As per claim 13, Baker et al., teach the method of claim 12 including: rejecting the probable word candidate in response to an input by a user; and displaying an alternative probable word candidate from the list of probable word candidates (Col.2, lines 10-24, 44- 64).

As per claim 14, Baker et al., teach the method of claim 1, wherein the identifying step c) includes: analyzing the vocalization to produce a list of vocalized word candidates; narrowing a list of input word candidates using the first character input to form a narrowed list of input word candidates for the vocalization; comparing the list of vocalized word candidates to the narrowed list of input word candidates; and identifying the probable word candidate as a word candidate that is located in both the list of vocalized word candidates and the narrowed list of input word candidates (Col.2, lines 10-24, 44- 64).

As per claim 15, Baker et al., teach the method of claim 14 including: rejecting the probable word candidate in response to an input by a user; and displaying an

alternative probable word candidate that is located in both the list of vocalized word candidates and the narrowed list of input word candidates (Col.2, lines 10-24, 44- 64).

As per claim 16, Baker et al., teach the method of claim 1 including providing a second character input that is indicative of a second character of the text entry word, wherein the probable word candidate identified in step c) is based on the first and second character inputs and the analysis of the vocalization (Col.2, lines 10-24, 44- 64).

As per claim 17, Baker et al., teach the method of claim 1 including entering the probable word candidate in response to a selection by a user (Col.2, lines 10-24, 44- 64).

As per claim 18, Baker et al., teach the method of claim 17 including: providing a second character input that is indicative of a first character of a second text entry word; capturing a vocalization of the second text entry word; identifying a probable word candidate for the vocalization of the second text entry word based upon the second character input and an analysis of the vocalization of the second text entry word; and displaying the probable word candidate for the vocalization of the second text entry word (Col.2, lines 10-24, 44- 64).

As per claim 19, Baker et al., teach the method of claim 18, wherein the step of identifying a probable word candidate for the vocalization of the second text entry word is further based on the entered probable word candidate (Col.2, lines 10-24, 44- 64).

As per claim 20, Baker et al., teach a method of entering text into a device comprising: a) providing a first character input that is indicative of a first character of a text entry; b) capturing a vocalization of the text entry; c) identifying a probable word

candidate for a first word of the vocalization based upon the first character input and an

analysis of the vocalization; and d) displaying the probable word candidate (Col.2, lines

10-24, 44- 64).

As per claim 21, Baker et al., teach the method of claim 20, wherein the text

entry consists of a single word (Col.2, lines 10-24, 44- 64).

As per claim 22, Baker et al., teach the method of claim 20, wherein the text

entry comprises multiple words (Col.2, lines 10-24, 44- 64).

As per claim 23, Baker et al., teach the method of claim 20, wherein the

capturing step b) begins in response to the providing step a) (Col.2, lines 10-24, 44- 64).

As per claim 24, Baker et al., teach the method of claim 23, wherein the

capturing step b) ends after a predetermined period of time (Col.2, lines 10-24, 44- 64).

As per claim 25, Baker et al., teach the method of claim 20, wherein the providing

step a) includes pressing a key corresponding to multiple characters (Col.6, lines 24-

34).

As per claim 26, Baker et al., teach the method of claim 20, wherein: the

providing step a) includes pressing and holding a key; and the capturing step b) begins

in response to the providing step a) (Col.2, lines 10-24, 44- 64).

As per claim 27, Baker et al., teach the method of claim 26, wherein the

capturing step b) ends after a predetermined period of time (Col.2, lines 10-24, 44- 64).

As per claim 28, Baker et al., teach the method of claim 26, wherein the

capturing step b) ends when the key is released (Col.2, lines 10-24, 44- 64).

As per claim 29, Baker et al., teach the method of claim 20, wherein the

identifying step c) includes: producing a list of probable word candidates based upon an

analysis of the vocalization; and identifying the probable word candidate from the list of

probable word candidates for the first word of the vocalization based upon the first

character input (Col.2, lines 10-24, 44- 64).

As per claim 30, Baker et al., teach the method of claim 29, including: rejecting

the probable word candidate in response to an input by a user; and displaying an

alternative probable word candidate from the list of probable word candidates.

As per claim 31, Baker et al., teach the method of claim 20, wherein the identifying step c) includes: narrowing a list of vocalized word candidates using the first character input to form a narrowed list of vocalized word candidates; narrowing the narrowed list of vocalized word candidates to form a list of probable word candidates for the first word of the vocalization based upon an analysis of the vocalization; and identifying the probable word candidate from the list of probable word candidates (Col.2, lines 10-24, 44- 64).

As per claim 32, Baker et al., teach the method of claim 31 including: rejecting the probable word candidate in response to an input by a user; and displaying an alternative probable word candidate from the list of probable word candidates (Col.2, lines 10-24, 44- 64).

As per claim 33, Baker et al., teach the method of claim 20, wherein the identifying step c) includes: analyzing the vocalization to produce a list of vocalized word candidates; narrowing a list of input word candidates using the first character input to form a narrowed list of input word candidates for the first word of the vocalization; comparing the list of vocalized word candidates to the narrowed list of input word candidates; and identifying the probable word candidate as a word candidate that is located in both the list of vocalized word candidates and the narrowed list of input word candidates (Col.2, lines 10-24, 44- 64).

As per claim 34, Baker et al., teach the method of claim 33 including: rejecting the probable word candidate in response to an input by a user; and displaying an

alternative probable word candidate that is located in both the list of vocalized word candidates and the narrowed list of input word candidates (Col.2, lines 10-24, 44- 64).

As per claim 35, Baker et al., teach the method of claim 20 including providing a second character input that is indicative of a second character of the text entry, wherein the probable word candidate identified in step c) is based on the first and second character inputs, and the analysis of the vocalization (Col.2, lines 10-24, 44- 64).

As per claim 36, Baker et al., teach the method of claim 20 including entering the probable word candidate in response to a selection by a user (Col.2, lines 10-24, 44- 64).

As per claim 37, Baker et al., teach the method of claim 36 including: providing a second character input that is indicative of a first character of a second text entry; capturing a vocalization of the second text entry; identifying a probable word candidate for the vocalization of the second text entry based upon the second character input and an analysis of the vocalization of the second text entry; and displaying the probable word candidate for the vocalization of the second text entry (Col.2, lines 10-24, 44- 64).

As per claim 38, Baker et al., teach the method of claim 37, wherein the step of identifying a probable word candidate for the vocalization of the second text entry is further based on the entered probable word candidate (Col.2, lines 10-24, 44- 64).

As per claim 39, Baker et al., teach the method of claim 36 including: providing a second character input that is indicative of a first character of a second word of the vocalization; identifying a probable word candidate for the second word of the vocalization based upon the second character input and an analysis of the vocalization;

and displaying the probable word candidate for the second word of the vocalization
(Col.2, lines 10-24, 44- 64).

As per claim 40, Baker et al., teach the method of claim 39, wherein the step of
identifying a probable word candidate for the second word of the vocalization is further
based on the entered probable word candidate (Col.2, lines 10-24, 44- 64).

Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to
applicant's disclosure. See attached form PTO-892.

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Vijay B. Chawan whose telephone number is (571) 272-
7601. The examiner can normally be reached on Monday Through Friday 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Richemond Dorvil can be reached on (571) 272-7602. The fax phone
number for the organization where this application or proceeding is assigned is (571)
273-8300.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Vijay B. Chawan
Primary Examiner
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vbc
8/16/07

VIJAY CHAWAN
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